

- c. adding the sample to the [continuous] flow of the supportive solution;
- d. reacting the biological material in the first solution or suspension with the compound in the sample to provide metabolites, or to assess permeability and bioavailability;
- e. washing the results of 1d [the reacting] between the biological material in the first solution and the compound in the sample through an ultrafiltration membrane to form a second solution; and
- f. analyzing the second solution to determine whether the compound in the sample has the predetermined characteristics, wherein the predetermined characteristics are selected from the group consisting of functioning as a substrate for an enzyme, showing desirable rates of enzymatic catalysis, showing desirable rates of cell permeability or transport, and showing enzymatic activation to reactive or toxic metabolites.

Claim 6

In claim 4, delete “capable of” and replace “can interact “with -- interacts--

In claim 5, delete “[and their metabolites]”

In claim 8, twice amended, replace “,” with --and--

In claim 10, replace “whereas” with --wherein--

11. (Amended) A kit for analyzing [compounds] a compound in a sample, to determine whether the compound has predetermined characteristics that would make it suitable for a specific purpose, said purpose comprising drug development and screening for metabolic parameters, said kit comprising in separate containers, an ultrafiltration membrane, a first solution containing a biological material, a buffer, a test solution, and a set of standard solutions with predetermined characteristics, wherein the predetermined characteristics are selected from the group consisting of functioning as a substrate for an enzyme, showing desirable rates of enzymatic catalysis, showing desirable rates of cell permeability or transport, showing enzymatic activation to reactive or toxic metabolites.

In claim 12, insert -- membranes -- after “ultrafiltration”